About Us:

COLORADO HEALTH INSTITUTE

Inform State and National Policy

Contribute to Current Health Policy Discussions

Support Efforts to Improve Health

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Findings

• Rates of insurance coverage – medical and dental – are at an all-time high.

• More Colorado children are seeing dental providers – including low-income children and children who speak Spanish.

• Prevention efforts are growing, but impacts on tooth decay are uncertain.

• Oral health workforce is expanding to serve under-resourced Coloradans.

• Policy changes have brought progress in promoting oral health in Colorado, but the current political climate threatens gains.
Scan Roadmap

• Colorado’s Population

• Insurance Coverage: Why It Matters for Oral Health

• Systems to Support Oral Health
  • Prevention and Public Health
  • Workforce

• Oral Health Across the Lifespan
  • Children
  • Adults
  • Seniors
Colorado’s Population
The Data: Children Ages 0-6 and Older Adults 65+
Have Highest Projected Increases by 2030

Colorado Demography Office, Coloradans all ages, 2017-2030
The Data: The Number of Hispanic Children Will Grow

Colorado Demography Office, Coloradans Ages 0-17, by Race and Ethnicity, 2017-2030
The Data: One of Five Children Living in Poverty

Percentage of Colorado Children Living at or Below the Federal Poverty Level, American Community Survey, 2010 and 2015

- 2010:
  - Age 0-6: 24.3%
  - Age 7-17: 17.2%
  - Age 0-17: 20.0%

- 2015:
  - Age 0-6: 20.9%
  - Age 7-17: 16.6%
  - Age 0-17: 18.2%

36 percent of Black Children under 17
30 percent of Hispanic children under 17
• A majority (61.3 percent) of Colorado moms are ages 25-34.
• 20.2 percent of Colorado moms experienced 3-5 stressors in the 12 months before delivery.
• Colorado Medicaid and CHP+ covered 45 percent of births in 2014-15.
Insurance Coverage: Why it Matters for Oral Health
Progress in Coverage

• More Coloradans have medical and dental insurance because of federal and state policy changes.
  • 93.3 percent with medical insurance and 70.6 percent with dental insurance.

• Coloradans with dental insurance more likely to get care.
Colorado Policy Decisions

- Removing CHP+ waiting period
- Medicaid expansion to low-income adults
- Dental benefit in Medicaid
- Continuous eligibility for Medicaid and CHP+
- Pediatric dental benefits in private plans
A Surge in Medicaid and a Drop in Uninsured  Colorado Health Insurance Coverage, All Ages, 2013-2015

<table>
<thead>
<tr>
<th>Year</th>
<th>Employer-Sponsored</th>
<th>Medicare</th>
<th>Medicaid</th>
<th>Child Health Plan Plus (CHP+)</th>
<th>Individual Market (Including Connect for Health Colorado)</th>
<th>Other Insurance</th>
<th>Uninsured</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>52.6%</td>
<td>11.4%</td>
<td>11.6%</td>
<td>1.2%</td>
<td>14.3%</td>
<td>0.8%</td>
<td>8.2%</td>
</tr>
<tr>
<td>2015</td>
<td>50.9%</td>
<td>12.9%</td>
<td>19.9%</td>
<td>1.4%</td>
<td>6.7%</td>
<td>0.5%</td>
<td>7.7%</td>
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</table>
Colorado Brushing Up on Coverage  Dental Insurance, 2013-2015

Dental Insurance

<table>
<thead>
<tr>
<th>Year</th>
<th>Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>61.6%</td>
</tr>
<tr>
<td>2015</td>
<td>70.6%</td>
</tr>
</tbody>
</table>
Coverage Makes A Difference
The Data: Children Ages 0-6 With Dental Insurance Three Times As Likely to Get Care

Visited a Dentist or Dental Hygienist in the Past 12 Months, by Age and Dental Insurance Status, Colorado, 2015
The Data: Uninsured Least Likely to Get Dental Care

Visited a Dentist or Dental Hygienist in the Past 12 Months, by Medical Insurance Type, Colorado Health Access Survey, 2015

- Colorado: 68.3%
- Medicaid: 61.9%
- Child Health Plan Plus (CHP+): 74.1%
- Uninsured: 32.3%
The Data: Less than Three Percent of Children Are Medically Uninsured

Percent without Medical, Dental Insurance, by Age, Colorado Health Access Survey, 2015
The Data: More than Half of Colorado Seniors Do Not Have Dental Insurance

Percent without Medical, Dental Insurance, by Age, Colorado Health Access Survey, 2015
The Data: Less Than Half of Pregnant Women Had Their Teeth Cleaned During Pregnancy

- 49.2% in 2012
- 47.9% in 2013
- 47.7% in 2014

Opportunity to Serve Coloradans Without Access to Dental Benefits
The Data: Low-Income Coloradans With Dental Insurance Less Likely to Get Dental Care

Had dental insurance and visited a dental professional

The Data: Medicaid Enrollees Who Report Dental Coverage Nearly Twice As Likely To Get Care

All Coloradans enrolled in Medicaid

- 78.3% Report Having Dental Insurance
  - 69.5% Saw A Dentist
  - 30.5% Did Not See A Dentist
- 21.7% Report Not Having Dental Insurance
  - 37.5% Saw A Dentist
  - 62.5% Did Not See A Dentist

Colorado Health Access Survey, 2015
Systems to Support Oral Health
Water Fluoridation
Water Fluoridation

• Progress
  • More Coloradans have access to optimally fluoridated water.
    • Growth from 72.4 percent to 74.9 percent.

• Opportunities
  • Fluoridation in Colorado faces constant threats – from aging infrastructure to concerns about safety.
The Data: Three of Four Coloradans Have Optimally Fluoridated Water

Colorado’s 2015-2019 Plan for Improving Public Health

Increase the percent of the population served by optimally fluoridated community water systems to **79.6 percent**.

Current: 74.9%

Colorado Department of Public Health and Environment
The Data: More Low Income Children Drinking Tap Water Daily

• **63 percent** of children under age six had tap water daily in 2015, up from **41 percent** in 2014.

  • And fewer drank fruit juice daily, 47 percent down from 66 percent in 2014.

Delta Dental Survey
Oral Health Workforce
Oral Health Workforce

• Progress
  • More providers accepting Medicaid.
    • One of two dentists have treated Medicaid enrollees, up from one of three.
  • Oral health services available in more locations, including health care providers and school-based health centers.

• Opportunities
  • Access to providers still limited in some communities.
    • Seven counties lack dental services.
  • Just over half of medical providers address oral health with their pediatric patients.
The Data: Dentists Participating in Medicaid Grew By 59 Percent

<table>
<thead>
<tr>
<th>Year</th>
<th>Dental Hygienists</th>
<th>Dentists</th>
<th>Non-Dental Professionals</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY 2013-14</td>
<td>74</td>
<td>877</td>
<td>1,509</td>
</tr>
<tr>
<td>FY 2014-15</td>
<td>131</td>
<td>1,180</td>
<td>1,584</td>
</tr>
<tr>
<td>FY 2015-16</td>
<td>143</td>
<td>1,392</td>
<td>1,419</td>
</tr>
</tbody>
</table>

Health Care Policy and Financing, Dental Utilization Management Reports, Rendering Provider Counts by County
The Data: Safety Net Dental Providers Increased by 53 Percent in Four Years

Dental Hygienist FTE doubled to **83 FTE** during this time period.

Numbers represent dental full-time equivalents at Community Health Centers in Colorado. Health Resources & Services Administration, Health Center Data, Colorado Program Grantee 2013-2015; 2016 data from personal communication with the Colorado Community Health Network
The Data: Children Ages 0-6 with Lowest Incomes Had Highest Increases in Dental Visits

Visited a Dentist or Dental Hygienist in the Past 12 Months, Ages 0-6, by FPL, 2011-2015
### The Data: Lowest-Income Children Ages 7-17 Had Steady Increase in Dental Visits

<table>
<thead>
<tr>
<th>FPL Range</th>
<th>2013</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-133% FPL</td>
<td>79.8%</td>
<td>84.2%</td>
</tr>
<tr>
<td>134-250% FPL</td>
<td>81.2%</td>
<td>85.1%</td>
</tr>
<tr>
<td>251-400% FPL</td>
<td>88.5%</td>
<td>88.7%</td>
</tr>
<tr>
<td>More than 400% FPL</td>
<td>96.7%</td>
<td>91.6%</td>
</tr>
</tbody>
</table>

Visited a Dentist or Dental Hygienist in the Past 12 Months, Ages 7-17, by FPL, 2011-2015
The Data: Seven Counties Lack Dental Services

No dental services includes counties with no practicing dentist or dental clinic. Limited dental services includes counties with 2 or fewer practicing dentists or dental clinics.
The Data: School-Based Health Centers Expanding Oral Health Services

Percentage of School-Based Health Centers Offering On-Site Dental Services. Note some services are offered by formal referral. CHI and CASBHC Survey of School-Based Health Centers.
The Data:

Rate of Third Graders with Sealants Rose

10 Percentage Points

• 2004: 35 percent

• 2011: 45 percent

• 2017: available soon

Results from 2004, and 2011-2012 Basic Screening Surveys.
The Data: One of Four Eligible Schools Have a Sealant Program

- 23.5 percent
- 26.3 percent
- 17.6 percent

Colorado
Urban
Rural

Data from the Colorado Department of Public Health and Environment, as reported to the Centers for Disease Control and Prevention in 2016. Eligible schools have 50 percent or more of their students in Free and Reduced Lunch programs.
The Data: One of Three Medicaid Enrollees Under Age 2 Receive Preventive Dental Services

Individuals Eligible for EPSDT Who Received Preventive Dental Service, By Age, Colorado, 2013-2015

<table>
<thead>
<tr>
<th>Age Less Than 1</th>
<th>Age 1-2</th>
<th>Age 3-5</th>
<th>Age 6-9</th>
<th>Age 10-14</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>30.7%</td>
<td>52.6%</td>
<td>57.5%</td>
<td>52.6%</td>
</tr>
<tr>
<td>2014</td>
<td>33.1%</td>
<td>53.8%</td>
<td>59.4%</td>
<td>55.0%</td>
</tr>
<tr>
<td>2015</td>
<td>31.2%</td>
<td>52.1%</td>
<td>57.9%</td>
<td>53.4%</td>
</tr>
</tbody>
</table>
• 99.6 percent of Colorado children ages 0-1 visited a medical provider in 2015.

• 10.1 percent visited a dental provider.

Colorado Health Access Survey, 2015
The Data: Just Over Half of Health Care Providers Addressing Prevention

Has a Health Care Provider Ever..., Children Ages 1-14, Child Health Survey, Colorado, 2013 -2015

- Told you how to prevent cavities: 57.6%
- Applied fluoride to your child's teeth: 28.0%
- Referred your child to a dentist: 22.6%
Oral Health Across the Lifespan
Children
Children in Colorado: Progress

• More Colorado children are seeing dental providers.
  • 60 percent of children ages 0-6 saw a provider in 2015, up from 57 percent in 2013.

• Use of preventive services is growing.
  • 45 percent of third graders have sealants.
The Data: Most Children Over Age 1 Getting Dental Care

83 percent of U.S. children ages 2-17 visited a dentist in 2014

Visited a Dentist or Dental Hygienist in the Past 12 Months, by Age, Colorado Health Access Survey, 2013-2015

- Colorado: 65.3% in 2013, 68.3% in 2015
- Ages 0-1: 12.4% in 2013, 10.1% in 2015
- Ages 0-6: 57.3% in 2013, 60.3% in 2015
- Ages 7-17: 86.1% in 2013, 87.0% in 2015
The Data: More Spanish-Speaking Children Ages 0-6 Getting Dental Care

Visited a Dentist or Dental Hygienist in the Past 12 Months, Ages 0-6, by Language Spoken at Home, 2011-2015

- English: 57.1% (2011), 55.9% (2013), 58.5% (2015)
- Spanish: 59.9% (2011), 64.5% (2013), 79.6% (2015)
The Data: Rate of Untreated Dental Decay Halved Between 2004 and 2011

Kindergarten
- 2004: 27%
- 2011: 14%
- 2017: Available soon

Third Grade
- 2004: 26%
- 2011: 14%
- 2017: Available soon

Results from 2004 and 2011-2012 Basic Screening Surveys.
Children in Colorado: Opportunities

• Cavities are still an issue.
  • No change in rate of cavities among kindergarteners or third graders; data to be released later this year will provide new insights.
  • One of 10 parents report cavities as the main problem for their children’s teeth – a rate that has changed little in the past five years.

• Low-income children most likely to have poor oral health.
  • 85 percent of children with poor oral health have incomes below 250 percent of the federal poverty level.

• Colorado infants are getting medical – not dental – care.
  • Nearly all infants had a medical visit; 10 percent had a dental visit.

Colorado Health Access Survey, 2015
The Data: Cavities are the Main Problem for More Than One of 10 Children

Percent of parents who said cavities were the main problem for child's teeth

- 2009: 14.4%
- 2010: 13.7%
- 2011: 18.6%
- 2012: 15.8%
- 2013: 14.6%
The Data: Caries Experience Not Changed

Results from 2004 and 2011-2012 Basic Screening Surveys.

Kindergarten
- 2004: 46%
- 2011: 40%
- 2017: Available soon

Third Grade
- 2004: 57%
- 2011: 55%
- 2017: Available soon
More than half of LOW-INCOME Colorado Kindergarteners and nearly one of four from HIGHER-INCOME households have experienced cavities.

Colorado Department of Public Health and Environment, Results of the Basic Screening Survey
The Data: Children with Poor Oral Health More Likely to be Low Income

Adults
Adults in Colorado

• Progress:
  • More younger adults ages 18-34 getting dental care.
    • Visits to a dental professional rose 10 percentage points to 65.5 percent between 2013 to 2015.

• Opportunities:
  • Little change in use of dental services among Coloradans over age 35.
    • Two of three Coloradans over age 35 visit a dental professional.
  • More than half of seniors lack dental insurance.
The Data: Increase in Younger Adults Getting Dental Care

62 percent of US adults 18 and older visited a dentist in 2014

Visited a Dentist or Dental Hygienist in the Past 12 Months, by Age, Colorado, 2011-2015

- Colorado: 65.3% in 2013, 68.3% in 2015
- Ages 18-34: 55.2% in 2013, 65.5% in 2015
- Ages 35-64: 65.2% in 2013, 64.9% in 2015
- Ages 65+: 64.4% in 2013, 65.6% in 2015
The Data: Adults with Disabilities More Likely to Receive Medical Care

2013
- Medical Visits: 87.6 percent
- Dental Visits: 48.5 percent

2015
- Medical Visits: 88.9 percent
- Dental Visits: 55.2 percent

Colorado Health Access Survey, Medical and Dental Utilization by Disability, 2011-2015
One of three adults (36 percent) have had at least one tooth pulled due to tooth decay or gum disease.

7.4 percent lost six or more.

Behavioral Risk Factor Surveillance System, 2014
The Data: One of Two Seniors Lack Dental Insurance

• Over half (54 percent) do not have dental insurance.

• One of 10 seniors (65 and older) have had all teeth pulled due to tooth decay or gum disease.

• 18 percent report fair or poor oral health.

The Data: Good Oral Health More Likely Among Those with Good Physical Health

- Of Coloradans in good physical health report good oral health. 89.7 percent
- Of Coloradans in poor physical health report good oral health. 52.8 percent
One of Five Colorado High Schoolers is Overweight or Obese.

Healthy Kids Colorado Survey, 2015
The Data: Six Percent of Adults Have Cardiovascular Disease, Diabetes

- 6.2% Have Cardiovascular Disease
- 6.8% Have Diabetes
- 20.2% Obese

Behavioral Risk Factor Surveillance System, Adults Ages 18 and Older, Colorado, 2015
30 percent of adults drink one or more sugar-sweetened beverages daily.

Behavioral Risk Factor Surveillance System, Adults Ages 18 and over, Colorado, 2015
Findings

• Rates of insurance coverage – medical and dental – are at an all-time high.

• More Colorado children are seeing dental providers – including low-income children and children who speak Spanish.

• Prevention efforts are growing, but impacts on tooth decay are uncertain.

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